

Title (en)

Multi-parameter fluorimetric analysis in a parallel multi-focal arrangement

Title (de)

Fluorimetrische Multi-Parameter-Analyse in einer parallelen Multi-Fokus-Anordnung

Title (fr)

Analyse fluorimétrique de paramètres multiples dans un arrangement à foyers multiples parallèles

Publication

EP 1411345 B1 20060906 (EN)

Application

EP 02023100 A 20021017

Priority

EP 02023100 A 20021017

Abstract (en)

[origin: EP1411345A1] Fluorimetric parallel analysis of biochemical samples involves detection of laser-induced fluorescence, followed by extraction of time-resolved multi-parameter information about sample : Fluorimetric parallel analysis of biochemical samples involves splitting a collimated primary laser beam (101) with a beam splitter (102) into at least two collimated secondary laser beams (103), deflecting the beams such that they propagate at different angles with respect to optical axis of focussing optic (109), detecting light emitted from volume elements (108) with a detector set (110) and evaluating the detected light. An independent claim is also included for a device for analyzing properties of a sample.

IPC 8 full level

G01N 21/64 (2006.01)

CPC (source: EP)

G01N 21/645 (2013.01); **G01N 21/6458** (2013.01); **G01N 21/6486** (2013.01); **G01N 2201/0631** (2013.01)

Cited by

DE102008004549B4; CN109682753A; CN117222090A; US11255784B2; WO2005068976A3; US7295316B2; US7289217B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1411345 A1 20040421; **EP 1411345 B1 20060906**; AT E338945 T1 20060915; AU 2003274012 A1 20040504; DE 60214561 D1 20061019; DE 60214561 T2 20070516; DK 1411345 T3 20070102; JP 2006503280 A 20060126; JP 4481827 B2 20100616; WO 2004036195 A1 20040429

DOCDB simple family (application)

EP 02023100 A 20021017; AT 02023100 T 20021017; AU 2003274012 A 20031015; DE 60214561 T 20021017; DK 02023100 T 20021017; EP 0311437 W 20031015; JP 2004544246 A 20031015